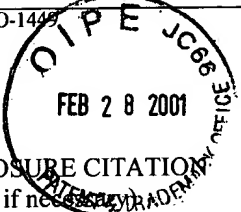
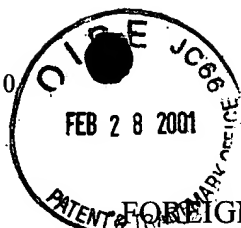


| | | |
|--|-------------------------------|--|
| (Rev. 5/92) Comparable to Form PTO-1449 <div style="text-align: center;">  INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) </div> | Atty. Docket No. 24180-044001 | App. No. 08/899,110 |
| | Applicants: Galloway, et al. | |
| | Filing Date: July 23, 1997 | <div style="text-align: center;"> RECEIVED MAR 05 2001 TC 1700 </div> |

U.S. PATENT DOCUMENTS

| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|-----------------|-----------|------------------|-------|----------|----------------------------|
| RD | 4,457,960 ✓ | Jul 03/84 | Newsome | 428 | 35 | |
| | 4,647,483 | Mar 03/87 | Tse et al. | | | |
| | 4,695,491 | Sep 22/87 | Kondo et al. | 428 | 35 | |
| | 4,788,105 | Nov 29/88 | Mueller et al. | 428 | 412 | |
| | 4,803,122 | Feb 07/89 | Schirmer | 428 | 349 | |
| | 4,863,769 | Sep 05/89 | Lustig et al | | | |
| | 4,871,705 | Oct 03/89 | Hoel | 502 | 117 | |
| | 4,891,253 | Jan 02/90 | Mueller | 428 | 35.2 | |
| | 4,957,946 | Sep/90 | Meier et al. | | | |
| | 5,064,797 ✓ | Nov 12/91 | Stricklen | 502 | 111 | |
| | 5,089,321 | Feb 18/92 | Wing, et al | | | |
| | 5,089,536 | Feb/92 | Palazotto | 522 | 16 | |
| | 5,204,402 | Apr/93 | Funaki et al. | 526 | 336 | |
| | 5,206,075 | Apr 27/93 | Hodson Jr. | | | |
| | 5,262,228 | Nov.16/93 | Kohyama et al. | | | |
| | 5,272,236 ✓ | Dec 21/93 | Lai et al. | 526 | 348.5 | |
| | 5,283,128 | Mar 23/92 | Wilhoit | 428 | 516 | |
| | 5,336,746 | Sep/94 | Tsutsui et al. | 526 | 348.6 | |
| | 5,358,792 | Oct 25/94 | Mehta et al. | | | |
| | 5,376,439 | Dec/94 | Hodson et al. | 428 | 220 | |
| | 5,397,613 ✓ | Mar 14/95 | Georgelos | 428 | 36.7 | |
| | 5,397,640 ✓ | Mar 14/95 | Georgelos et al. | 428 | 349 | |
| | 5,539,066 | Jul 23/96 | Winter et al. | | | |
| RD | 5,562,958 | Oct 08/96 | Walton et al. | 428 | 34.9 | |

Ref FC
Per MS



FOREIGN PATENT DOCUMENTS

| PATENT DOCUMENTS | | | | | | | | Translation | |
|------------------|--|-----------|-----------------|------------|---------|-------|----------|-------------|----|
| | | | Document Number | Date | Country | Class | Subclass | Yes | No |
| RD | | | 0 120 503 ✓ | Mar/84 | Europe | _____ | _____ | | |
| | | | 94/09060 | Apr/94 | PCT | _____ | _____ | | |
| | | | 0 597 502 ✓ | May 18/94 | Europe | _____ | _____ | | |
| | | | 95/04761 | Feb/95 | PCT | _____ | _____ | | |
| | | | A 0 451 997 | Oct. 16/91 | Europe | _____ | _____ | | |
| | | | A 03 026541 | Feb. 5/92 | Japan | _____ | _____ | Abstract | |
| | | | A 0516019 | Dec. 2/92 | Europe | _____ | _____ | | |
| | | | A 0552911 | Jul 28/93 | Europe | _____ | _____ | | |
| | | | A 9407954 | Apr 14/94 | WO | _____ | _____ | | |
| | | | A 9406857 | Mar 31/94 | WO | _____ | _____ | | |
| | | A 9418263 | Aug 18/94 | WO | _____ | _____ | | | |
| RD | | | A 92 14784 | Sept. 3/92 | WO | _____ | _____ | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | |
|----|--|--|--|---|
| RD | | | | Pearson, <i>Metallo-Organic Chemistry</i> , Wiley and Sons, pp. 310-313, 1985 |
| | | | | Encyclopedia of Polymer Science and Engineering, <i>FILMS, Manufacture</i> , Vol. 7, pp. 88-89, 1987 |
| | | | | Schut, <i>Enter a New Generation of Polyolefins</i> , <i>Plastics Technology</i> , pp. 15-17, Nov., 1991 |
| | | | | Childress, B.C., <i>Properties of Homogeneous and Heterogeneous Polyolefins:...</i> (May, 1994) |
| | | | | Lai, S. et al., <i>Dow Rheology Index (DRI) for Insite Technology Polyolefins (ITP):...</i> , ANTEC '94, pp. 1814-1815 (1994) |
| | | | | Chowdbury, Jayadev et al., <i>Polymers by Blueprint</i> , Chemical Engineering, Vol. 100/No. 4, p. 34 (Apr/93) |
| | | | | Sinclair, K.B., <i>New Polyolefins From Emerging Catalyst Technologies</i> , Society of Plastics Engineers Polyolefins VIII Int'l. Conf. (Feb 21-24/93) |
| | | | | Ulbricht, et al., <i>Abstr. of Plaste Kaut.</i> 18(4), CAPLUS 1971:421192, pp. 250-4, 1971 |
| | | | | Sinn, H.J. et al., <i>Adv. Organomet. Chem.</i> 18, 99, pp. 123-130, 1980 |
| | | | | Odian et al., <i>Principles of Polymerization</i> , 2d Ed., Wiley, New York, pp. 99-102 & 616, 1981 |
| | | | | Ahadian et al., <i>Abstr. of Proc IUPAC Macromed Symp.</i> , 28th, CAPLUS 1983:522989, p. 256 (1982) |
| | | | | Moore, Stephen, <i>Crystalline PS is Claimed to Yield Engineering-Resin Performance</i> , <i>Modern Plastics</i> , Vol. 69/No. 11, p. 30 (Nov/92) |
| | | | | Lai, S. et al., <i>CGCT: New Rules for Ethylene α-Olefin Interpolymers-Controlled Melt Rheology Polyolefins</i> , ANTEC '93, pp. 1188-1192 (1993) |

FEB 28 2001

RECEIVED

Sheet 3 of 5

MAR 05 2001

TC 1700

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
|--|--|--|--|
| 20 | | | Van der Sanden, D., <i>A New Family of Linear Ethylene Polymers with Enhanced Sealing Performance Designed for Multilayer Barrier Food Packaging Films</i> , ANTEC '93, pp. 46-50 (1993) |
| | | | Patel, R.M. et al., <i>Investigation of Processing-Structure-Properties Relationships in Polyethylene Blown Films</i> , ANTEC '93, pp. 465-467 (1993) |
| | | | Butler, T.I. et al., <i>Blown Film Bubble Forming and Quenching Effects on Film Properties</i> , ANTEC '93, pp. 51-57 (1993) |
| | | | Woo, L. et al., <i>Thermoplastic Elastomer Behavior of Ultra-Low Density Polyethylene and a Comparison with Flexible PVC</i> , ANTEC '93, pp. 358-363 (1993) |
| | | | Story, B.A. et al., <i>The New Family of Polyolefins from INSITE* Technology</i> , METCON '93 (1993) |
| | | | Leaversuch, Robert D., <i>New Process Technologies May Expand Properties, Markets</i> , Modern Plastics, Vol. 70/No. 1, p. 58 (Jan/93) |
| | | | Leaversuch, Robert D., <i>Reformulations, Redesigns Upgrade Blood Devices</i> , Modern Plastics, Vol. 70/No. 2, p. 44 (Feb/93) |
| | | | Edmondson, M.S. et al., <i>CGCT: New Rules for Ethylene Alpha-Olefin Interpolymers-Processing-Structure-Property Relationships in Blown Films</i> , ANTEC '93, pp. 63-65 (Feb/93) |
| | | | Kiesche, Elizabeth S., <i>Catalysts, Additives, Environment Head Up CMRA Meeting Agenda</i> , Chemical Week, p. 10, (Feb 03/93) |
| | | | <i>Union Carbide Unveils Unipol II</i> , Press Association Newfile, (Mar 01/93) |
| | | | <i>Union Carbide Unveils Unipol II Process,...</i> , Plastics Focus, Vol. 25, No. 5 (Mar 08/93) |
| | | | Rotman, David, <i>Carbide to Debut Unipol II Technology at New Plant</i> , Chemical Week, p. 6 (Mar 10/93) |
| | | | Kaminsky, W. et al., <i>Structure Dependence of Polypropylenes on Structural Elements of Metallocene Catalysts</i> , Institute for Technical and Macromolecular Chemistry, University of Hamburg, PMSE #14 |
| | | | Chien, James C.W., <i>Stereochemical Control of Synthesis of Polyolefins Having New Structures</i> , Department of Polymer Science and Engineering, University of Massachusetts, Amherst, MA 01003, PMSE #15 |
| | | | Swogger, Kurt W. et al., <i>Process Technology for Unique Polymer Design Using DOW Constrained Geometry Catalyst</i> , SPE VII International Polyolefins RETEC Conference Proceedings, pp. 13-20 (1993) |
| | | | Sherman, J., <i>Polyolefins</i> , Chemical Engineering, Vol. 99, No. 8, p. 61 |
| | | | Miller, Bernie, <i>New Film Resins Push Performance</i> , Plastics World, Vol. 50/No. 6, p. 46 (May, 1992) |
| | | | Leaversuch, Robert, <i>Polyolefins Gain Higher Performance from New Catalyst Technologies</i> , Modern Plastics, pp. 46-49 (Oct/91) |
| | | | Nifant'ev, I.E. et al., <i>ansa-Metallocene Derivatives of Ti^{IV} and Zr^{IV} With the Shortest -C(CH₃)₂-Bridge</i> , Journal of Organometallic Chemistry, Vol. 435, pp. 37-42 (1992) |
| | | | Van der Sanden, D., <i>A New Family of Linear Ethylene Polymers</i> , TAPPI Proceedings, pp. 289-296 (1991) |
| 20 | | | <i>Exxon Cites 'Breakthrough' in Olefins Polymerization</i> , Modern Plastics, Vol. 68/No. 7, p. 61 (Jul/91) |

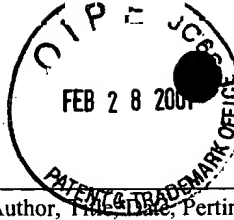
FEB 28 2001

RECEIVED

MAR 05 2001

TC 1700

| OTHER DOCUMENTS (Including Number, Title, Date, Pertinent Pages, Etc.) | | | |
|--|--|--|--|
| | | | McKeever, Dennis, <i>Dow Plastics Editor Briefing</i> (Dec 17/91) |
| R7 | | | Sishta, Chand et al., <i>Group 4 Metallocene-Allumoxane Olefin Polymerization Catalysts</i> , J. Am. Chem. Soc., Vol. 114, pp. 1112-1114 (1992) |
| | | | Swogger, Kurt W., <i>The Material Properties of Polymers Made from Constrained Geometry Catalysts</i> , SPO '92, pp 155-165 (1992) |
| | | | Collins, Scott et al., <i>Polymerization of Propylene Using Supported, Chiral, ansa-Metallocene Catalysts: Production of Polypropylene with Narrow Molecular Weight Distributions</i> , Macromolecules, Vol. 25, pp. 1780-1785 (1992) |
| | | | Llinas, Geraldo Hidalgo et al., <i>Crystalline-Amorphous Block Polypropylene and Nonsymmetric ansa-Metallocene Catalyzed Polymerization</i> , Macromolecules, Vol. 25, pp. 1242-1253 (1992) |
| | | | Trudell, B.C. et al., <i>Single Site Catalyzed Ethylene Copolymers: Structure/Property Relationships</i> , ANTEC '92, pp. 613-617 (1992) |
| | | | Chien, James C.W. et al., <i>Metallocene Catalysts for Olefin Polymerizations</i> , Journal of Polymer Science, Vol. 30, pp. 2601-2617 (1992) |
| | | | Wood, Andrew et al., <i>The Polyolefin Revolution</i> , Chemical Week, p. 52 (May 13/92) |
| | | | Leaversuch, R., <i>Battle for Octene-Equivalency in LLDPE Film Heats Up</i> , Modern Plastics, pp. 24-26 (Jun/92) |
| | | | Wood, Andrew, <i>Metallocenes - The Race to Breed a New Generation of Catalysts</i> , Chemical Week, p. 42, (Jul 01/92-Jul 08/92) |
| | | | Schwank, G. Don, <i>Constrained Geometry Catalyst Technology (CGCT) Polymers</i> , SPO '92 (Sep 23/92) |
| | | | Martino, R., <i>New Polyolefin Resins Emerge: 'Branched Linear' Copolymers</i> , Modern Plastics, pp. 20-25 (Nov/92) |
| | | | <i>Dow's 1992 Ended with a Welcome Surprise Thanks to the U.S. Patent Office</i> , p. 2 |
| | | | Stevens, James C., <i>INSITE™ Catalyst Structure/Activity Relationships for Olefin Polymerization</i> , METCON '93 (1993) |
| | | | Herfert, N. et al., <i>Copolymerization of Ethene and α-Olefins With Stereorigid Metallocene/MAO Ziegler Catalysts: Kinetic and Mechanistic Insight</i> , Max-Planck-Institut für Kohlenforschung, Kaiser-Willhelm-Platz 1, 4330 Mülheim, a.d. Ruhr, FRG, PMSE #16 |
| | | | Collins, S., <i>Copolymerization of Dienes in the Presence of Cationic Metallocene Catalysts</i> |
| | | | Grubbs, R.H. et al., <i>Ring Opening Metathesis Polymerization Catalysts</i> , Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, CA, INOR #353 |
| | | | Yu, T., <i>Polyolefin Modification with EXACT™ Plastomers</i> , pp. 539-564 |
| | | | Knight, G.W. et al., <i>Constrained Geometry Catalyst Technology: New Rules for Ethylene α-Olefin Interpolymers -- Unique Structure and Property Relationships</i> , Dow Plastics, Freeport, TX, pp. 226-241 (1993) |
| | | | Waymouth, R.M. et al., <i>Cyclopolymerization of Dienes in the Presence of Cationic Metallocene Catalysts</i> , Department of Chemistry, Stanford University, Stanford, CA, INOR #355 |
| RQ | | | Fries, Richard W. et al., <i>Organometallic Modified Polyolefin Catalysts for Enhanced Molecular Properties</i> , Quantum Chemical Company, Morris, IL |



RECEIVED
MAR 05 2001
TC 1700

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
|--|--|------------------|---|
| R | | | Sehanobish, K. et al., <i>Effect of Chain Microstructure on Modulus of Ethylene-α-Olefin Copolymers</i> , J. Appl. Pol. S., pp. 887-894 (1994) |
| | | | Godwin, G., Ltd. in Assoc. w/The Plastics and Rubber Institute, <i>Flow Properties of Polymer Melts</i> , p. 71 (1981) |
| | | | Dealy, John M. et al., <i>Melt Rheology and it's Role in Plastics Processing</i> , pp. 374-376 (1990) |
| | | | Schwank, G. Don, <i>Single-Site Metallocene Catalysts Yield Tailor-Made Polyolefin Resins</i> , Modern Plastics, pp. 49-50 (Aug/93) |
| | | | Schwank, G. Don, <i>A New Family of Resins</i> , Converting Magazine, pp. 78-80 (Sep/93) |
| | | | Schwank, G. Don, <i>A New Family of Resins - Part II</i> , Converting Magazine (Oct/93) |
| | | | Barry, R.P. et al., <i>Designed Polymers with INSITE Technology</i> , Polyethylene '93, (Oct 04/93) |
| | | | Plumley, T.A. et al., <i>Rheological Molding of INSITE Technology Polymers</i> , ANTEC '94, pp. 1221-1225 (1994) |
| | | | <i>Polymers are Commercial</i> , Food Engineering, p. 72 (Feb/93) |
| | | | Lancaster, Gerald et al., <i>Global Product and Application Development Utilizing INSITE Technology</i> , METCON '94 (May/94) |
| | | | Stevens, J., <i>INSITE Catalyst Str./Activity Relationship for Olefin Polymerization</i> , METCON (May/93) |
| | | | Van der Sanden, D. et al., <i>A New Family of Linear Ethylene Polymers with Enhanced Sealing Performance</i> , TAPPI Proceedings, 1991 Polymers, Laminations & Coatings Conference, pp. 289-296 |
| | | | Swogger, K.W. et al., <i>Novel Molecular Structure Opens Up New Applications for Insite Based Polymers</i> , SPO '93 |
| | | | Mergenhagen, L., <i>Polyolefin Plastomers as Sealants in Packaging Applications</i> , TAPPI (Sep/93) |
| | | | Pappas, Chris et al., <i>AFFINITY Polyolefin Plastomers and ENGAGE Polyolefin Elastomers:....</i> , CMSR (May/94) |
| R | | | Swogger, K.W. et al., <i>Improving Polymer Processability Utilizing CGSS Catalyst Technology</i> , NPEC (Jun/94) |
| Examiner | | Date Considered: | |
| [Signature] | | 5/2/01 | |
| *Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | |